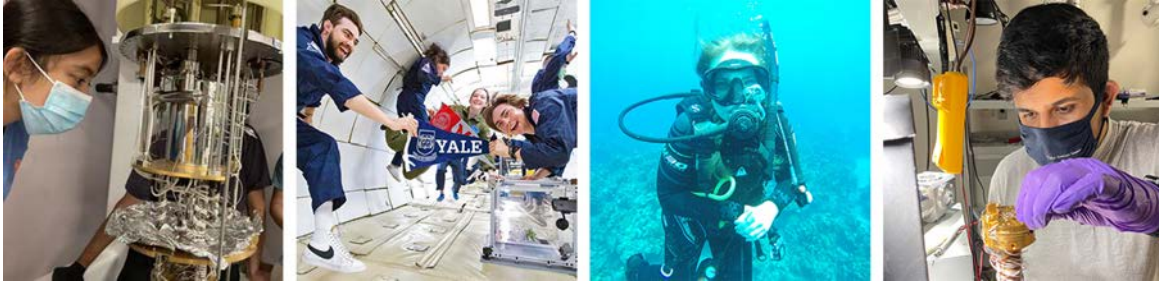


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# Yale Physics



**Friday, November 18, 2022**

## Events

**Monday, November 21-Friday, November 25**

All day      **November Recess**

**Monday, November 28**

- 4:00 pm      **Physics Club:** *Title - To be announced*, Pieter Van Dokkum, Yale University, SPL 57. Host: Laura Newburgh.
- 4:00 pm      **Molecular Biophysics & Biochemistry Seminar:** *PARP Inhibitors: Mechanisms of Action and Cancer Treatment Paradigms*, Dr. Eli Rothenberg, New York University Langone Health, JEH (315 Cedar Street). Host: David Schatz.

**Tuesday, November 29**

- 1:00 pm      **Condensed Matter Theory Seminar:** *Title - To be announced*, Ruochen Ma, Perimeter Institute, SPL 63. Host: Meng Cheng.
- 3:00 pm      **WIDG Seminar:** *Beautiful and Charming Energy Correlators*, Evan Craft, Yale University, WL 216. Host: Sierra Weyhmler.
- 4:00 pm      **Particle Theory Seminar:** *The naturalness of vanishing black hole response*, Riccardo Penco, Carnegie Mellon University, SPL 51. Hosts: Bianka Meczaj, Yuan Xin, Murat Kologlu.

**Wednesday, November 30**

- 2:30 pm      **Mechanical Engineering and Materials Science Seminar:** *When Mechanics Meets Biology: Cell Mechanics and Mechanobiology in Multicellular systems*, Ming Guo, MIT, ML 107. Host: Corey O'Hern.
- 4:00 pm      **Earth and Planetary Sciences Colloquium:** *Plume-induced plate rotation triggering a plate tectonic chain reaction*, Douwe van Hinsbergen, Utrecht University, KGL 123.
- 4:15 pm      **Department of Mathematics Colloquium:** *Complex proofs of real theorems*, Istvaan Prause, University of Eastern Finland, LOM 214.

6:30 pm **Wu Tsai Institute Student & Postdoc Committee Event: *Open Forum***, The Wu Tsai Institute Student & Postdoc Committee (SPC) will be holding our Fall Open Forum on November 30th. We invite all those interested in learning more about the WTI SPC, how you can engage with the Wu Tsai Institute and become a part of the SPC. This will also be an opportunity for you to provide feedback on areas of opportunity to empower students and postdocs at Yale interested in the WTI mission. LUCE 203. [RSVP here](#).

## Thursday, December 1

1:00 pm **Condensed Matter Theory Seminar: *Title - To be announced***, Pok Man Tam, University of Pennsylvania, SPL 63. Host: Meng Cheng.

1:00 pm **NPA Seminar: *Project 8 results***, Talia Weiss, Yale University, WL 216. Host: Avinay Bhat.

2:30 pm **Yale Astronomy Colloquium: *Elucidating the Origin of Fast Radio Bursts***, Tarraneh Eftekhari, Northwestern University, WTS A-51.

## Friday, December 2

11:00 pm **Wright Lab Event: *The Elusives Journal Club***, WLC 245. Members in the departments of physics and astronomy who work on dark matter and neutrino-related fields are invited to get together to discuss papers related to their field. Topics include: neutrinos, dark matter, BSM physics, fundamental symmetries, precision physics and more. Host: Jorge Torres.

[More events](#)

## News



### Welcome Elena Suizdak!

Elena Suizdak joins Physics Nov. 29, 2022. Elena has been with Yale since 2003, most recently as Operations Manager in the Department of Internal Medicine. She holds a BS in engineering from a University in Moscow and a BS in International Business from the University of Bridgeport. Outside of work, she enjoys spending time with family, skiing and travel.



### Congratulations Volodymyr!

On November 8, 2022, Volodymyr Sivak successfully defended the thesis: "Quantum Error Correction Beyond Break-Even" (advisor: Michel Devoret).

### Yale undergraduates "cold test" their CubeSat

A team from the Yale Undergraduate Aerospace Association (YUAA) received a



grant in 2018 from NASA's CubeSat Launch initiative (CSLI) to develop and fly the Bouchet Low Earth Alpha-Beta Space Telescope (BLAST), a 2U cosmic ray detector spacecraft, in Low Earth Orbit.



## 2022 Hoodie Ceremony!

On Friday, November 11, 2022 the physics department held the 8th consecutive hoodie ceremony to welcome the class of 2024 to the physics ranks! Due to the weather the ceremony was held in SPL 57 where quite a crowd gathered.



## Wright Lab co-hosts GAINS outreach conference

Yale and Wright Lab have partnered with the GAINS Network again to host the 2022 Girls Advancing in STEM (GAINS) Conference on November 13-15, 2022.



## Wright Lab welcomes Harvey Moseley

On November 11, Wright Lab welcomed Harvey Moseley, a new research affiliate, to the Wright Lab community. Moseley gave a talk called "From astrophysics to quantum computing – living through a revolution;" held a lunch discussion with students, postdocs, research staff, and faculty; and toured several Wright Lab research laboratories.

[More news](#)

## Social Media This week

### Graduate Students Celebrate completion of qualifying exams

On Friday, November 11th, a group of second-year graduate students celebrated the completion of their qualifying evaluations by letting off some steam at Urban Air Adventure and Trampoline park in Orange, CT. The





event was planned with the help of GSAC.  
Photo by Katie Chang.

## Community



### SPS Professor Dinner

Undergraduates from the Yale Society of Physics Students met with Wright Lab associate professor David Moore on November 10 in the Benjamin Franklin dining hall to network and learn more about his research in experimental nuclear and particle physics.

### Climate and Diversity Committee News

#### Build emotional intelligence.

Emotional intelligence is the ability to recognize, regulate, and understand emotions in yourself and in others. Effective emotional intelligence skills can help you empathize with others and overcome challenges. While emotional intelligence isn't a direct rule of etiquette, it will help you in school and work, no matter what conflicts arise.

For example, imagine you're behind on work and your supervisor or professor suddenly adds a large, time-sensitive project to your plate. With emotional intelligence skills, you can speak with your supervisor or professor to understand the relative priority of the work. Since you're already behind on work, you can express your worry about becoming overworked and work with your supervisor or professor to come up with a solution of which work you can deprioritize or delegate less important tasks.

*If interested in joining the CDC, please contact Rona Ramos, Chair of CDC. You may contact the whole committee at [physics-cdc@mailman.yale.edu](mailto:physics-cdc@mailman.yale.edu)*

### COVID-19 update

[Yale COVID-19 Information](#) - click here for updated information.

## Opportunities

### Faculty Positions

[Asst./Assoc./Full Professor in Experimental Quantum Science](#) - Yale University

[Associate/Full Professor, Experimental Atomic, Molecular, and Optical Physics](#) - Yale University

[Assistant Professor in Biological Physics](#) - Yale University

[Assistant Professor in Experimental Nuclear Physics](#) - Yale University

[Assistant Professor in Astrophysics & Cosmology](#) - Yale University

[Assistant Professor, Applied Physics \(Quantum Information Theory\)](#) - Yale University  
(due date December 1, 2022, anticipated start date July 1, 2023)

[Assistant Professor, Applied Physics \(Experimental Condensed Matter Physics/Materials Science\)](#) - Yale University (due date January 3, 2023, anticipated start date July 1, 2023)

[Faculty and Associate Faculty Positions](#) - Perimeter Institute

[Cluster hire in Quantum Information, Materials, Sensors, and their Applications](#) - Washington University in St. Louis (deadline **November 14, 2022**)

[Visiting Assistant Professor in Physics and Astronomy](#) - Siena College (deadline **November 15, 2022**)

[Assistant Professor, Department of Physics and Astronomy](#) - University of California, Davis (application deadline **November 18, 2022**, anticipated start date of July 1, 2023)

[Faculty Position in Experimental Physics](#) - Princeton University (application deadline **November 18, 2022** or until position is filled)

[Assistant Professor Position in Particle Astrophysics, Cosmology, and Gravitational Waves](#) - University of California, Riverside (application open through **December 31, 2022**, anticipated start date of July 1, 2023)

[Assistant/Associate Professor, Physics](#) - Hope College (deadline **December 31, 2022**)

[Tenure-track assistant professor position at ECE](#) - Princeton University (deadline **December 31, 2022**, preferred start date of September 1, 2023)

[Associate Professor Position in Particle Astrophysics, Cosmology, and Gravitational Waves](#) - University of California, Riverside (application open through **June 30, 2023**, anticipated start date of July 1, 2023)

[Assistant Professor Position in Experimental Quantum Information Science](#) - NYU (anticipated start date of **Sept. 1, 2023**)

## Research Scientist Positions

[Research Scientist, Relativistic Heavy-Ion Research Group](#) - Yale University

[Research Scientists \(CHORD radio telescope\) 5 Year Term](#) - Perimeter Institute

## Postdoctoral Positions

[Postdoctoral Associate Position in Theoretical Physics](#) - Yale University

[The Department of the Airforce Science & Technology Fellowship Program](#)

[Postdoctoral Prize Fellowship and Positions, Galaxies and Cosmology](#) - Max Planck Institute for Astronomy (MPIA) in Heidelberg (deadline **November 23, 2022**)

[Research Fellow](#) - University of Warwick, Coventry (deadline **November 30, 2022**)

[Postdoctoral Scholar position in Quantum Condensed Matter Theory](#) - University of California, Santa Cruz (deadline **December 1, 2022**)

[Postdoctoral Research Associate](#) - Brown University (deadline **December 1, 2022**)

[Sullivan Prize Postdoctoral Fellowship in Astrophysics](#) - Indiana University (deadline **December 2, 2022**)

[Postdoctoral Research Associate/Fellow in Stellar Astrophysics](#) - University of Sydney (deadline **December 12, 2022**)

[Asteroseismology Research Fellow, Physics and Astronomy](#) - University of Birmingham (deadline **January 23, 2023**)

[Prize postdoctoral fellowship at Johns Hopkins Physics and Astronomy](#) - Johns Hopkins University (application open through **February 8, 2023**, consideration of applications will begin on November 1, 2022)

## PhD Position

[PhD Positions in Quantum Condensed Matter Theory](#) - University of California, Santa Cruz (deadline **January 4, 2023**)

## Graduate Student and Postdoc Research

[Dudley Observatory Astronomer](#) - Siena College

[Positions for postdocs and graduate students affected by the war in Ukraine](#) - Perimeter Institute

[2023 Dissertation and Postdoctoral Fellowship](#) - Ford Foundation (deadline **December 8, 2022**)

[NRC Research Associateship Programs](#) - National Academies for Sciences, Engineering, Medicine (Online applications open as follows **December 1 (closes February 1)**, March 1 (closes May 1), June 1 (closes August 1), and September 1 (closes November 1))

## Undergraduate Research

Research Assistant - Yale School of Medicine (contact [Navin Kumar](#) for further information)

- Research Assistant – Harm Reduction (send CV to Keyu Chen [keyuchen2020@gmail.com](mailto:keyuchen2020@gmail.com))
- Research Assistant – Data Analysis & Harm Reduction (send CV to Keyu Chen [keyuchen2020@gmail.com](mailto:keyuchen2020@gmail.com))

[2023 Predoctoral Fellowship](#) - Ford Foundation (deadline **December 15, 2022**)

[WAVE Fellowship](#) - Caltech (deadline **January 9, 2023**)

[Amgen Scholars](#) - Caltech (deadline **February 1, 2023**)

## Graduate Student and Postdoc Schools, Workshops, and Conferences

[Quantum Creators Prize Symposium 2022](#), November 14-15, 2022 - The Chicago Quantum Exchange and the University of Chicago

[iid2022: Statistical Methods for Event Data](#), November 15-19, 2022 - University of Alabama in Huntsville

[Boulder School in Condensed Matter and Materials Physics 2023: Non-Equilibrium Quantum Dynamics](#), July 3-28, 2023 - University of Colorado, Boulder (deadline **January 15, 2023**)

## Grants, Fellowships and Scholarships

## Faculty

[Simons Emmy Noether Fellowship](#) - Perimeter Institute (deadline **January 9, 2023**)

## Graduate

[Amplify Scholarship](#) - Optica (Deadline **December 9, 2022**)

## Undergraduate

[Amplify Scholarship](#) - Optica (Deadline **December 9, 2022**)



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